

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S3	19	shoda-hirokazu.in. or misaka-naoyuki.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 12:58
S4	12436	382/254.ccls. or 348/606-624.ccls. or 358/1.9-3.31,447,461,463.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 08:23
S5	359	S4 and (resolution near3 enhanc\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 09:26
S6	4	S4 and (resolution near3 enhanc\$5) and (four?line or "4"?line)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 09:27
S8	20	S4 and (resolution near3 enhanc\$5) and (four?line or "4"?line or "four line" or "4 line")	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 09:44
S9	126	(resolution near3 enhanc\$5) and (four?line or "4"?line or "four line" or "4 line") and sensor	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 09:59
S10	47	(resolution near3 enhanc\$5) and (four?line or "4"?line or "four line" or "4 line") and sensor and CCD	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 09:47
S15	50	("4714964" "4814886" "4941761" "4963882" "4999646" "5012257" "5111302" "5270728" "5349375" "5422666" "5430469" "5469198" "5473351" "5500661" "5541625" "5555006" "5583550" "5600351" "5608821" "5621453" "5633662" "5638101" "5640183" "5642142" "5677714" "5677716" "5686944" "5719601" "5726690" "5729277" "5731823" "5742300" "5745131" "5751310" "5754218" "5760807" "5764254" "5784090" "5805178" "5818474" "5831657" "5870112" "5883644" "5889537" "5892524" "5900891" "5900901" "5914737" "6193347" "6250739").PN. OR ("6604806"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 12:43
S16	30	2004/0184056 or "5856879" or 11/055535 or "5757517"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 12:43

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S17	1	10/790009	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 12:58
S20	12436	382/254.ccls. or 348/606-624.ccls. or 358/1.9-3.31,447,461,463.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 14:46
S21	642	S20 and (line near2 sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 14:47
S22	0	S20 and (line near2 sensor) and (("re size" or resiz\$4 or re-siz\$5) near2 (pixel or resolution))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 14:49
S23	0	S20 and (line near2 sensor) and (("re size" or resiz\$4 or re-siz\$5) near2 (pixel))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 14:50
S24	67	S20 and (line near2 sensor) and ((increas\$4 or decreas\$4 or chang\$5) near2 resolution)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 14:51
S28	217	((4-line or "four-line" or "four line" or "4 line") near3 (sensor or detector)) and (resolution)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 15:31
S29	165	((4-line or "four-line" or "four line" or "4 line") near3 (sensor or detector)) and (resolution) and (correct\$7)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 15:33
S30	58	((4-line or "four-line" or "four line" or "4 line") near3 (sensor or detector)) and (resolution) and (correct\$7 same black)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 16:48
S32	87	((4-line or "four-line" or "four line" or "4 line") near3 (sensor or detector)) and ((black or white) same red same green same blue)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 17:22
S33	18	kr gb	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 17:56
S34	19352	(color near2 space)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 17:56
S35	866	(color near2 space) and ("4-line" or "4 line" or "four-line" or "four line")	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 17:57
S36	18	(color near2 space) and (("4-line" or "4 line" or "four-line" or "four line") near2 (detector or sensor))	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 18:06
S37	37	rg bk	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 19:23

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S41	221	("4-line" or "4 line" or four-line or "four line") adj (sensor or detector or "sensing element" or device)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/03 19:32
S42	6	((("4-line" or "4 line" or four-line or "four line") adj (sensor or detector or "sensing element" or device)) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5 or equivalent) with (black)))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 08:05
S43	12901	(sensor or detector or "sensing element" or device) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5 or equivalent) with (black))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/03 19:38
S44	6	((("4-line" or "4 line" or four-line or "four line") adj (sensor or detector or "sensing element" or device)) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5 or equivalent) same (black)))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 12:27
S45	34383	(sensor or detector or "sensing element" or device) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5 or equivalent) same (black))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/03 19:38
S46	1309	(sensor or detector or "sensing element" or device) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5 or equivalent) with (black)) and (red with green with blue with black)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/03 19:39
S47	4759	(sensor or detector or "sensing element" or device) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5 or equivalent) same (black)) and (red same green same blue same black)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/03 19:39
S48	1046	(sensor or detector or "sensing element" or device) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5 or equivalent) same (black)) and (red same green same blue same black) and ("382".clas. or 347/116.ccls. or "358".clas.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/03 19:41

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S50	456	(sensor or detector or "sensing element" or device) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5) same (black)) and (red same green same blue same black) and ("382".clas. or 347/116.ccls. or "358".clas.) and (filter)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/03 19:41
S51	279	(sensor or detector or "sensing element" or device) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5) same (black)) and (red same green same blue same black) and ("382".clas. or 347/116.ccls. or "358".clas.) and (filter) and resolution	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/03 19:47
S52	281	(sensor or detector or "sensing element" or device) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5) same (black)) and ((red same green same blue same black) or krgb or rgbk) and ("382".clas. or 347/116.ccls. or "358".clas.) and (filter) and resolution	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 11:45
S57	106	(sensor or detector or "sensing element" or device) and ((superimpos\$5 or "lay over" or substitut\$5 or replac\$5) same (black)) and ("382".clas. or 347/116.ccls. or "358".clas.) and (filter) and resolution and ((line) adj (sensor or detector))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 12:03
S58	1	"6958835"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 12:06
S59	8	"5764380"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 12:06
S60	13	("4439790" "4686577" "4698511" "5001574" "5453611" "5503904").PN. OR ("5764380").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 12:09
S61	4	("6321064" "6393251").PN. OR ("6859637").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 12:18

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S62	270	((("4-line" or "4 line" or four-line or "four line") adj (sensor or detector or "sensing element" or device))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 12:27
S64	270	((("4-line" or "4 line" or four-line or "four line") adj (sensor or detector or "sensing element" or device))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 12:43
S65	23	((("4-line" or "4 line" or four-line or "four line") adj (sensor or detector or "sensing element" or device)) and (infrared same (rgb or (red and green and blue) or (black)))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 12:45
S66	11	(US-20040174576-\$ or US-20040012815-\$ or US-20040218804-\$ or US-20030038996-\$).did. or (US-6958835-\$ or US-5856879-\$ or US-6859637-\$ or US-7158271-\$ or US-7046402-\$ or US-6201616-\$ or US-6094281-\$).did.	US-PGPUB; USPAT	OR	ON	2007/05/04 13:03
S67	10	S66 and (resolution)	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 13:03
S69	958	"L13" and resolution	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 13:06
S70	10	S65 and resolution	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/04 13:06
S71	22	S65 and (region or area)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 13:25
S72	22	S65 and ((region or area) same (correct\$7 or discriminat\$6 or detect\$6))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/04 13:26
S73	108	((("4-line" or "4 line" or four-line or "four line") adj (sensor or detector or "sensing element" or device)) and ((resolution or size or length or width) with (high\$4 or increas\$5 or decreas\$5))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 17:28
S74	27	("4205337" "4310847" "4330793" "4418358" "4630120" "4656525" "4672424" "4703365" "4709144" "4716456" "4736251" "4745466").PN. OR ("5045932").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/08 09:00

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S76	22	((("4-line" or "4 line" or four-line or "four line") adj (sensor or detector or "sensing element" or device)) same ((black or blk))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 16:50
S77	18389	(black or blk or monochrom\$5) with (substitut\$6 or replac\$6 or superimpos\$6)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 16:51
S78	4941	(black or blk or monochrom\$5) near2 (substitut\$6 or replac\$6 or superimpos\$6)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 16:52
S79	1607	((black or blk or monochrom\$5) near2 (substitut\$6 or replac\$6 or superimpos\$6)) and (sensor or detector)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 16:52
S80	681	((black or blk or monochrom\$5) near2 (substitut\$6 or replac\$6 or superimpos\$6)) and (sensor or detector) and (rgb or (red same blue same green))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 16:53
S81	249	((black or blk or monochrom\$5) near2 (substitut\$6 or replac\$6 or superimpos\$6)) and (sensor or detector) and (rgb or (red same blue same green)) and ("382".clas. or "358".clas.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 16:53
S82	191	((black or blk or monochrom\$5) near2 (substitut\$6 or replac\$6 or superimpos\$6)) and (sensor or detector) and (rgb or (red same blue same green)) and ("382".clas. or "358".clas.) and (scanner)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 16:54
S83	80	((black or blk or monochrom\$5) adj2 (substitut\$6 or replac\$6 or superimpos\$6)) and (sensor or detector) and (rgb or (red same blue same green)) and ("382".clas. or "358".clas.) and (scanner)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 17:00
S84	9	((black or blk or monochrom\$5) adj2 (substitut\$6 or replac\$6 or superimpos\$6)) and (sensor or detector) and (rgb or (red same blue same green)) and ("382".clas. or "358".clas.) and (scanner) and ("4-line" or "4 line" or four-line or "four line")	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 17:00

EAST Search History

S85	1420	((line) adj (sensor or detector or "sensing element" or device)) and (black same (alter\$5 or superimpos\$5 or chang\$6 or modif\$5))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 17:33
S86	633	((line) adj (sensor or detector or "sensing element" or device)) and (black same (alter\$5 or superimpos\$5 or chang\$6 or modif\$5)) and (rgb or (red same green same blue))	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 17:34
S87	54554	((line) adj (sensor or detector or "sensing element" or device)) and (black same (alter\$5 or superimpos\$5 or chang\$6 or modif\$5)) and (rgb or (red same green same blue)) and "382".clas. or "358".clas.	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 17:34
S88	375	((line) adj (sensor or detector or "sensing element" or device)) and (black same (alter\$5 or superimpos\$5 or chang\$6 or modif\$5)) and (rgb or (red same green same blue)) and ("382".clas. or "358".clas.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 17:36
S89	376	((line) adj (sensor or detector or "sensing element" or device)) and ((black or blk) same (alter\$5 or superimpos\$5 or chang\$6 or modif\$5)) and (rgb or (red same green same blue)) and ("382".clas. or "358".clas.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 17:42
S90	242	((line) adj (sensor or detector or "sensing element" or device)) and ((black or blk) with (alter\$5 or superimpos\$5 or chang\$6 or modif\$5)) and (rgb or (red same green same blue)) and ("382".clas. or "358".clas.)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/05/08 17:42

10/790009

NPL search report:

Google search

KRGB

RGBK

4-line sensor

four-line sensor black substitution modifying superimposing

4-line sensor black substitution modifying superimposing

four line sensor black substitution modifying superimposing

4 line sensor black substitution modifying superimposing

IEEE search:

KRGB

RGBK

4-line <and> sensor

four-line <and> sensor <and> black <and> substitution <and> modifying <and>
superimposing

4-line <and> sensor <and> black <and> substitution <and> modifying <and>
superimposing

“four line” <and> sensor <and> black <and> substitution <and> modifying
superimposing

“4 line” sensor <and> black <and> substitution <and> modifying <and> superimposing